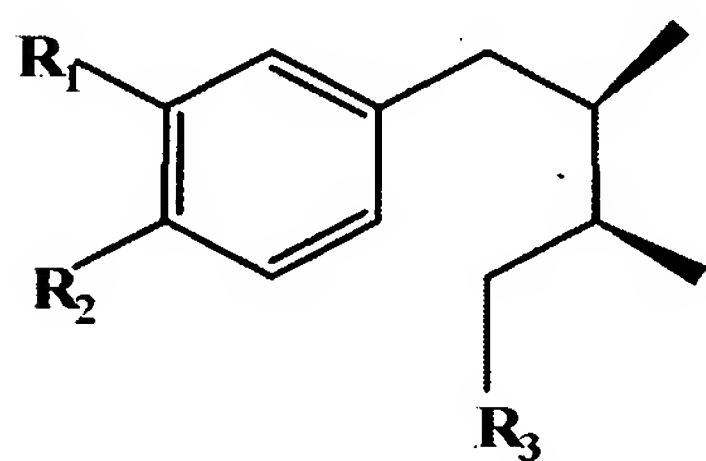


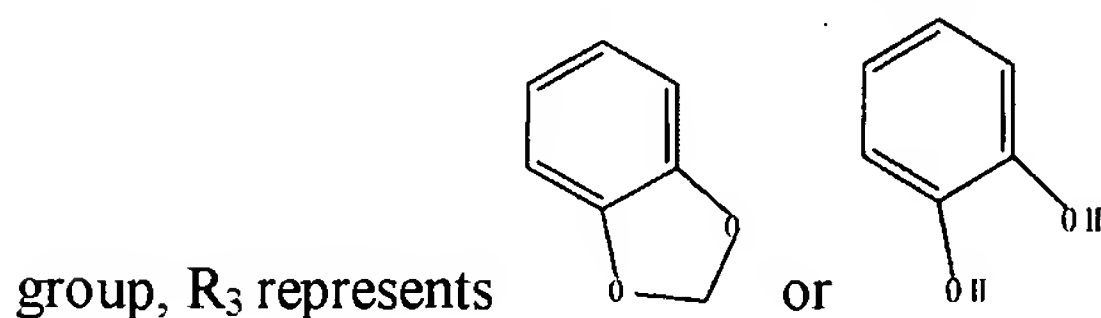
### Claims

1. An antibacterial composition against acne-causing bacteria selected from the group consisting of *Propionibacterium acnes*, *Staphylococcus epidermis* and *Staphylococcus aureus*, the composition containing lignan compounds represented by Formula 1 or their pharmaceutically acceptable salts:

[Formula 1]

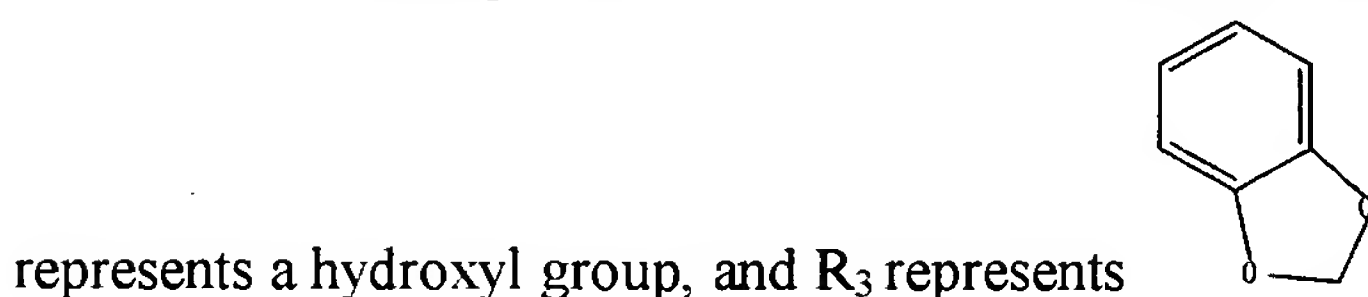


wherein each of  $R_1$  and  $R_2$  independently represents a  $C_{1-5}$  alkoxy group or a hydroxyl



2. A composition for treating acne, comprising lignan compounds represented by Formula 1 or their pharmaceutically acceptable salts.

3. The composition of Claim 1 or 2, wherein  $R_1$  represents a methoxy group,  $R_2$

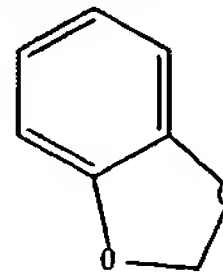


4. A method for inhibiting the growth of acne-causing bacteria selected from the group consisting of *Propionibacterium acnes*, *Staphylococcus epidermis* and *Staphylococcus aureus*, the method comprising administering an effective amount of lignan compounds represented by Formula 1 to a subject in need thereof.

5. A method for treating acne, comprising administering an effective amount of

lignan compounds represented by Formula 1 to a subject in need thereof.

6. The method of Claim 4 or 5, wherein  $R_1$  represents a methoxy group,  $R_2$

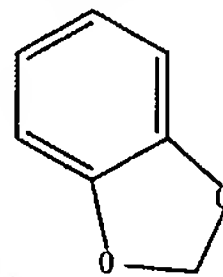


represents a hydroxyl group, and  $R_3$  represents

7. Use of lignan compounds represented by Formula 1 for preparing antibacterial agents against acne-causing bacteria selected from the group consisting of *Propionibacterium acnes*, *Staphylococcus epidermis* and *Staphylococcus aureus*.

8. Use of lignan compounds represented by Formula 1 for preparing acne treatment agents.

9. The use of Claim 7 or 8, wherein  $R_1$  represents a methoxy group,  $R_2$



represents a hydroxyl group, and  $R_3$  represents